ASSOCIATION ELECTRONIC	Material Composition Declaration © Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.					This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.									
1752-21.1						n Type * Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Information									
Supplier	Information														
Company name* Company unique ID				Unique ID Authority				Response Date*							
onsemi					ļ							2022-02-11			
Contact Name Tit			Title - Conta	Title - Contact			Phone - Contact*				Email - Contact*				
Product-Env-Stewards Product E				oduct Enviro Compliance			NA			Product-Env-Stewards@onsemi.com					
Authorized Representative* Title - Representative			sentative	F		Phone - Representative*			Email - Representative*						
Product-Env-Stewards			Product Enviro Compliance				NA				Product-Env-Stewards@onsemi.com				
	Requester Item Number Mfr Item		n Number	Mfr Item Name			Effective Date	Version	Manufacturing Site		Weight*	UOM	Unit Type		
		MT9V034C12STC- DP1 VGA 1/3 GS CIS				2022-02-11		TWU	776.08		mg	Each			
Manufacturing Process Information															
	Terminal Plating / Grid Array Material Terminal Base Alloy		Alloy	J-STD-020 MSL Rating		Peak Process Body Temperature Max Time at Peak			k Temperature Number of Reflow Cycles						
	Precious metal (e.g. Ag,Au, NiPdA Sn)	u) (no	CU Alloy 4		4		260	С	30	seco	nds 3				
Comments															
For more	information regarding material con	nposition	please refer to	page 3											

RoHS Material Composition Declaration			Declaration Type *	Detail	led						
Directive 2015/863/EU amending RoHS Directive 2011/65/EU RoHS Definition: Quantity limit of 0.01% by mass (100 PPM) in homogeneous material for Cadmium and quantity limit of 0.1% by mass (1000 PPM) in homogeneous material for: Lead (Pb), Mercury (Hg), Hexavalent Chromium (Cr6+), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), and Bis(2-ethylhexyl) phthalate (DEHP), Benzyl-butyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP).											
Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part identified on this form contains lead, mercury, cadmium, hexavalentchromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a "RoHS restricted substance") in excess of the applicable quantity limit identified above. If a homogeneous material within the part contains a RoHS restricted substance inexcess of an applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on informationprovided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its uppliers have provided certifications regarding their contributions to the part, and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part, the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusivesource of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Su											
RoHS Declaration * 1 - Item	(s) does not contain RoHS restricted substa	ances per the definition above	Supplier Ac	cceptance *	Accepted						
Exemption: If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.											
Exemption List Version	EL-2011/534/EU										
Declaration Signature											
Instructional Complete all of the required	fields on all neggs of this form. Calcut th		a duan dawn. This will display the signature on	a Digitally sign	the declaration (if recurined by the						
Instructions: Complete all of the required Requester) and click on Submit Form to			e drop-down. This will display the signature ar	ea. Digitally sign	the declaration (if required by the						

Homogeneous Material Composition Declaration for Electronic Products

SubItem Instructions: The presence of any JIG Level A or B substances must be declared. [1] indicate the subpart in which the substance is located, [2] provide a description of the homogeneous material [3], enter the weight of the homogeneous material.

Substance Instructions: [A] select the Level (JIG A, JIG B, Requester or Supplier) [B] select the substance category (JIG or Requester) or enter a value (Supplier). [C] select the substance (JIG) or enter the substance and CAS (Other). [D] select a RoHS exemption, if applicable [E] enter the weight of the substance or the PPM concentration [F] Optionally enter the positive (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 sigma range of distribution unless otherwise noted).

Homogeneous Material	Weight	Unit of Measure	Level	Substance	CAS	Exempt	Weight	Unit of Measure
Ceramic Substrate	542.28	mg	Supplier	Cobalt (Co)	7440-48-4		0.705	mg
			Supplier	Titanium Dioxide (TiO2)	13463-67-7		5.4228	mg
			Supplier	Molybdenum (Mo)	7439-98-7		5.4228	mg
			Supplier	Tungsten (W)	7440-33-7		22.83	mg
			Supplier	Magnesium Monoxide (MgO)	1309-48-4		3.2537	mg
			Supplier	Calcium Oxide (CaO)	60873-85-0		2.7656	mg
			Supplier	Silica Amorphous (SiO2)	7631-86-9		15.1838	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		462.2937	mg
			В	Nickel (Ni)	7440-02-0		2.2233	mg
			Supplier	Gold (Au)	7440-57-5		1.3557	mg
			Supplier	Chromium Trioxide (Cr2O3)	1308-38-9		20.8236	mg
Die	49.22	mg		Misc.	proprietary data		0.187	mg
			Supplier	Silicon (Si)	7440-21-3		48.5457	mg
			Supplier	Aluminum (Al)	7429-90-5		0.4873	mg
Die Attach	25.14	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		1.0835	mg
			Supplier	Epoxy resins	129915-35-1		7.7607	mg
			Supplier	Fused Silica (SiO2)	60676-86-0		9.1535	mg
			Supplier	Acrylic resins	Proprietary Data		7.1423	mg
Imaging Lens	151.66	mg	Supplier	Titanium Dioxide (TiO2)	13463-67-7		7.9622	mg
			Supplier	Sodium Monoxide (Na2O)	1313-59-3		7.7347	mg
			Supplier	Boron Trioxide (B2O3)	1303-86-2		7.9622	mg
			Supplier	Zinc Monoxide (ZnO)	1314-13-2		7.7802	mg
			В	Antimony Trioxide (Sb2O3)	1309-64-4		0.7583	mg
			Supplier	Aluminum Trioxide (Al2O3)	1344-28-1		7.6588	mg
			Supplier	Potassium Monoxide (K2O)	12136-45-7		7.674	mg
			Supplier	Silica Crystalline (SiO2)	14808-60-7		104.1298	mg
Lid Attach	5.79	mg		Other Additive Agents	proprietary data		1.0086	mg
			Supplier	Photoinitiator	Proprietary Data		0.2362	mg
			Supplier	Epoxy Prepolymer	Proprietary Data		4.5452	mg
Marking Ink	0.05	mg	Supplier	Bisphenol A_Epichlorohydrin Polymer	25068-38-6		0.042	mg
			Supplier	1-Methoxy-2-propyl acetate (MPA)	108-65-6		0.0024	mg
			Supplier	Butylglycol Acetate	112-07-2		0.0024	mg

			Supplier	Cyclohexanone	108-94-1	0.0025	mg
			Supplier	Xylene	1330-20-7	0.0007	mg
Wire Bond - Au	1.94	mg	Supplier	Gold (Au)	7440-57-5	1.94	mg